06918600 LITTLE SAC RIVER AT WALNUT GROVE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°23′55″, long 93°24′36″, NE 1/4 SW 1/4 sec. 24, T.31 N., R.23 W., in Greene County, Hydrologic Unit 10290106. Sampling site in on Highway BB about 7.5 mi east of Walnut Grove and 6 mi south of Morrisville.

DRAINAGE AREA.--119 mi^2.

PERIOD OF RECORD: Water years 1974 to 1978, 1984 to 1986, 1988 to 1990, November 1993 to current year.

REMARKS.--Ambient water-quality monitoring network station.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 µM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	ALKA-LINITY WAT WH TOT FET FIELD MG/L AS $CACO_3$ (00410)
NOV											
23...	1030	163	8.5	456	8.00	11.8	99	--	800	430	182
JAN											
10...	1500	21	4.0	618	8.14	15.9	121	<10	K7	K13	198
MAR											
09...	0815	150	4.5	439	7.08	12.0	94	--	180	81	156
APR											
12...	1600	145	12.5	286	7.86	10.7	101	--	1200	150	162
JUN											
29...	0730	120	21.0	435	7.80	7.5	83	<10	K350	380	171
AUG											
24...	0745	11	23.0	1090	7.88	5.5	66	--	170	230	215

DATE	BICAR-BONATE WATER WH IT FIELD MG/L AS HCO_3 (00450)	CAR-BONATE WATER WH IT FIELD MG/L AS CO_3 (00447)	NITRO-GEN, NO_2+NO_3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	HARD-NESS TOTAL (MG/L AS $CACO_3$) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV										
23...	223	0	<0.02	<0.010	<0.010	<0.20	<0.020	<0.010	--	--
JAN										
10...	242	0	1.10	0.010	0.010	0.30	0.040	0.020	220	77
MAR										
09...	195	0	1.10	<0.010	0.010	<0.20	0.030	0.020	--	--
APR										
12...	199	0	0.88	0.010	0.020	0.30	0.060	0.040	--	--
JUN										
29...	211	0	1.00	<0.010	0.020	0.31	0.020	0.040	190	67
AUG										
24...	263	0	1.90	0.010	0.030	0.55	0.780	0.750	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µG/L AS AL) (01105)	ALUM-INUM, DIS-SOLVED (µG/L AS AL) (01106)
JAN										
10...	7.7	43	4.7	26	61	0.20	346	6	40	<20
JUN										
29...	5.2	14	2.6	9.8	21	<0.10	246	14	260	50

DATE	CADMIUM TOTAL RECOV-ERABLE (µG/L AS CD) (01027)	CADMIUM DIS-SOLVED (µG/L AS CD) (01025)	COPPER, DIS-SOLVED (µG/L AS CU) (01040)	IRON, DIS-SOLVED (µG/L AS FE) (01046)	LEAD, TOTAL RECOV-ERABLE (µG/L AS PB) (01051)	LEAD, DIS-SOLVED (µG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (µG/L AS MN) (01056)	MERCURY TOTAL RECOV-ERABLE (µG/L AS HG) (71900)	ZINC, TOTAL RECOV-ERABLE (µG/L AS ZN) (01092)	ZINC, DIS-SOLVED (µG/L AS ZN) (01090)
JAN										
10...	<1	<1.0	2	18	2	1	9	0.30	20	17
JUN										
29...	1	1.0	3	32	2	1	7	0.10	10	9

K--Results based on colony count outside the acceptable range (non-ideal colony count).